



Title: DATA STRUCTURE AND METHOD FOR PIPELINE HEAP-SORTING  
Application No. 09/727,534 Filing Date: November 28, 2000 Inventors: NADJ et al.  
Replacement Sheet

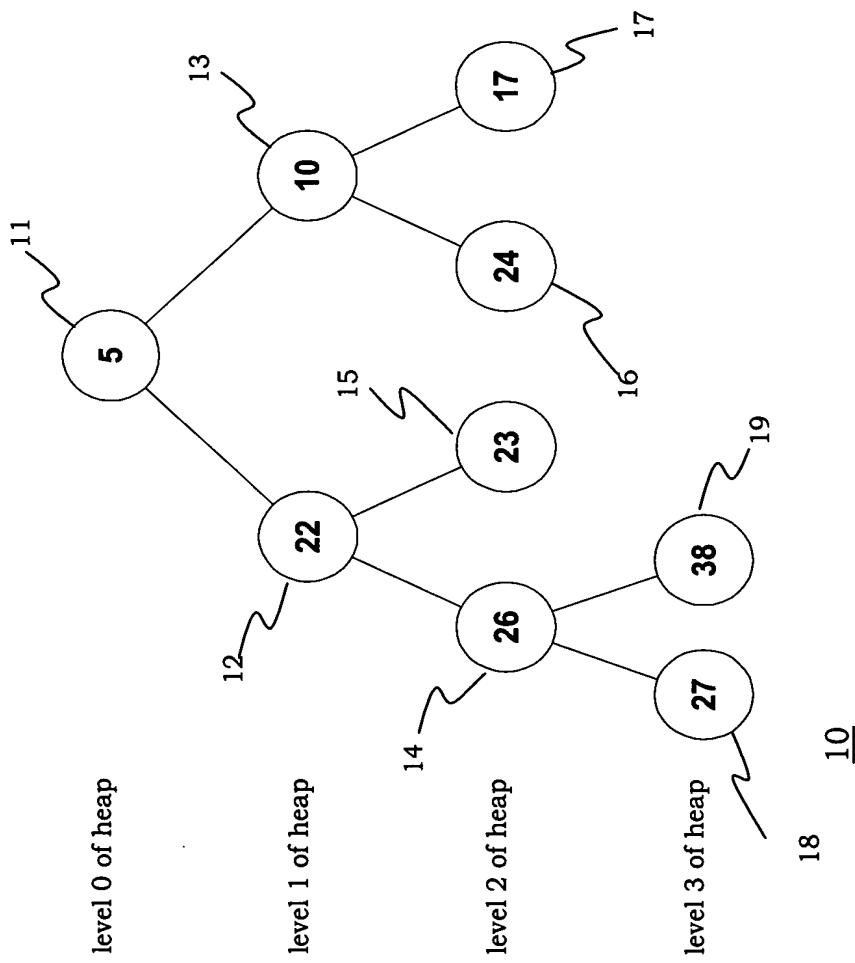


FIGURE 1  
(Prior Art)

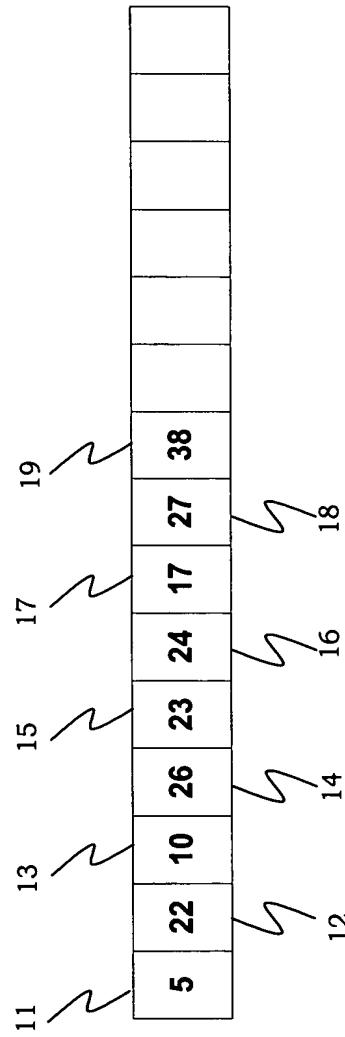


FIGURE 2  
(Prior Art)

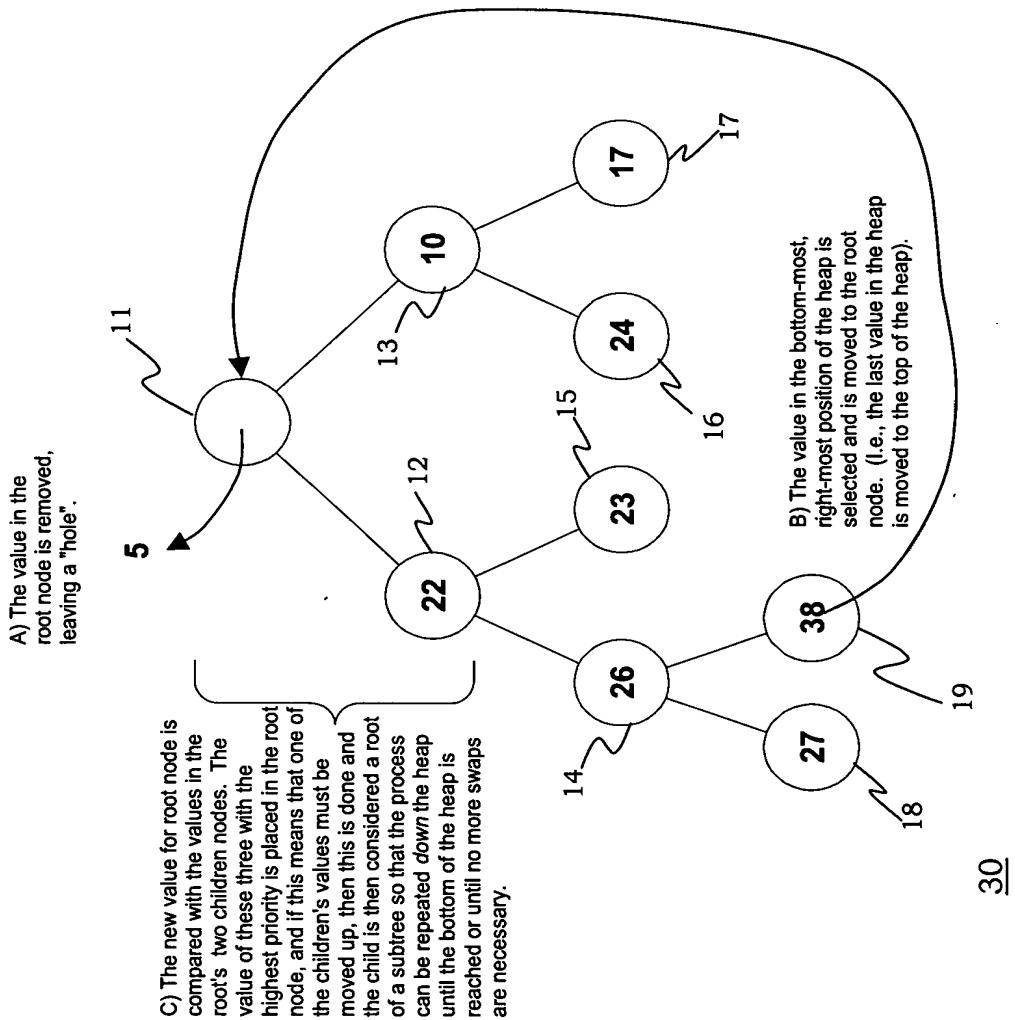
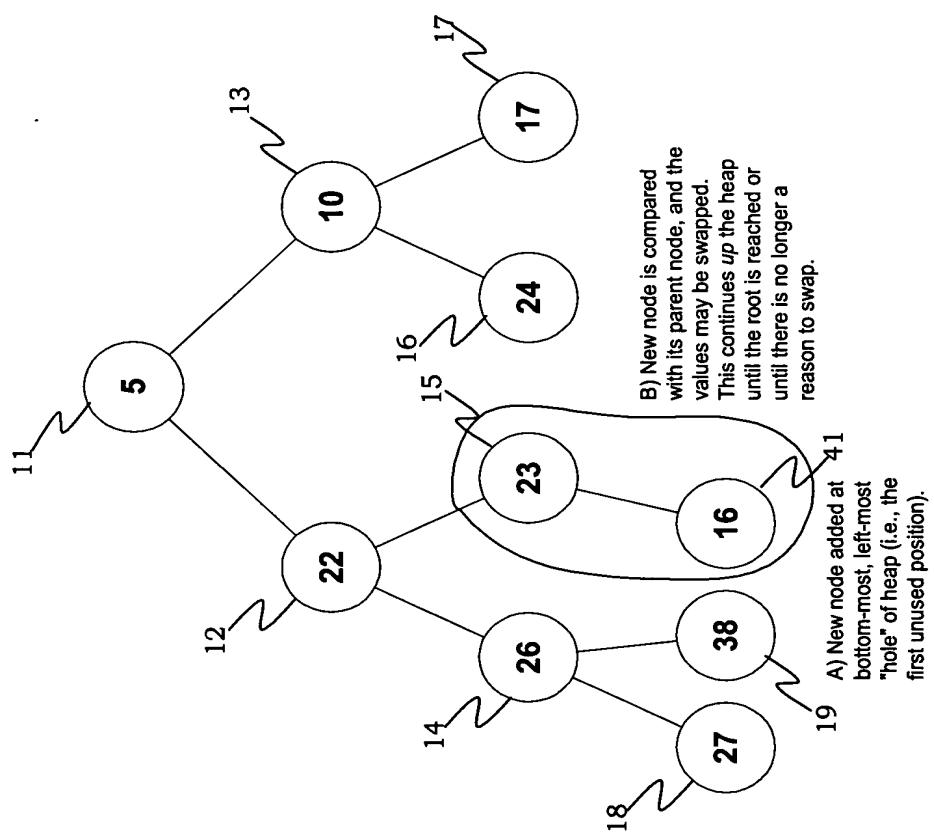


FIGURE 3  
 (Prior Art)



**FIGURE 4**  
(Prior Art)

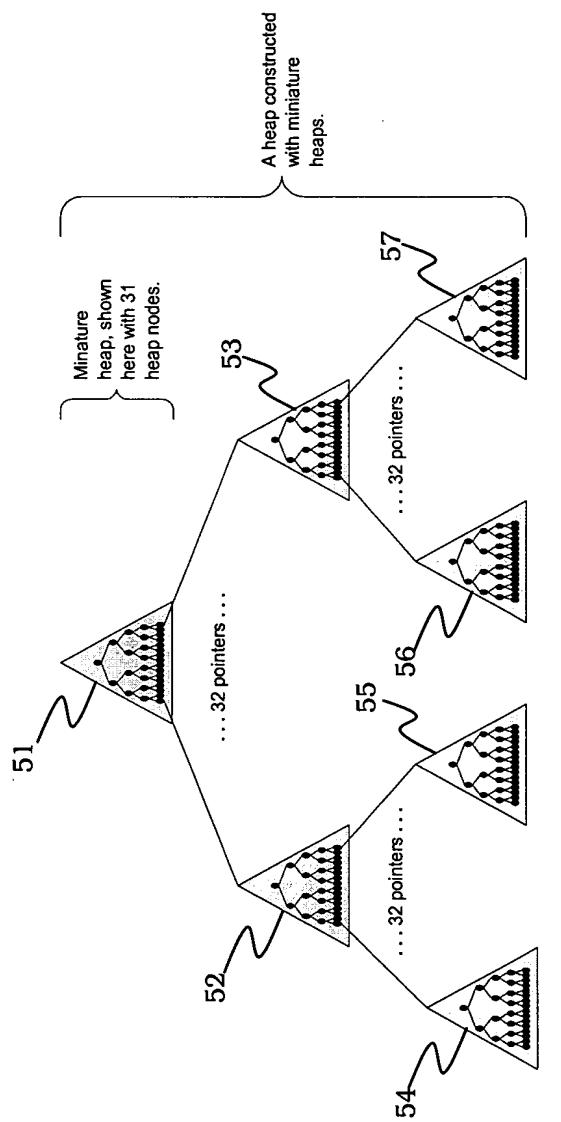


FIGURE 5

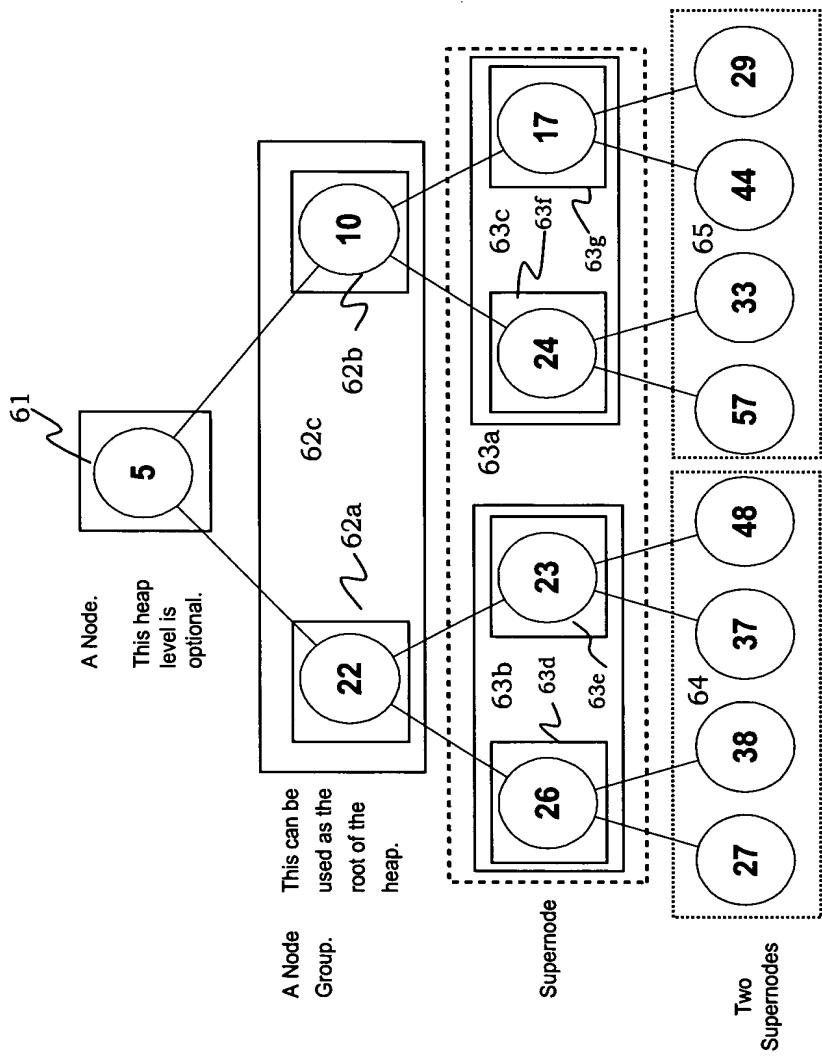


FIGURE 6

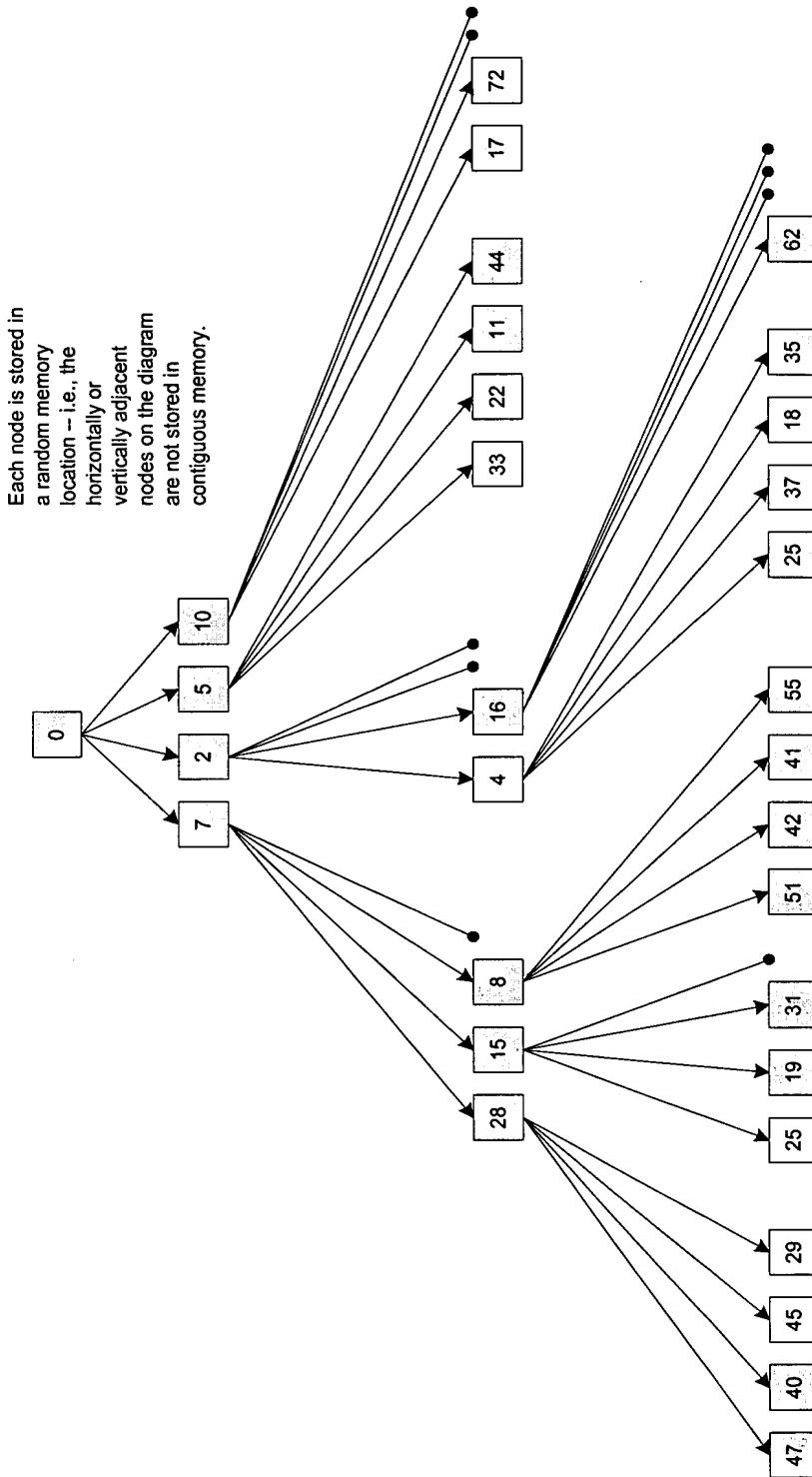


FIGURE 7

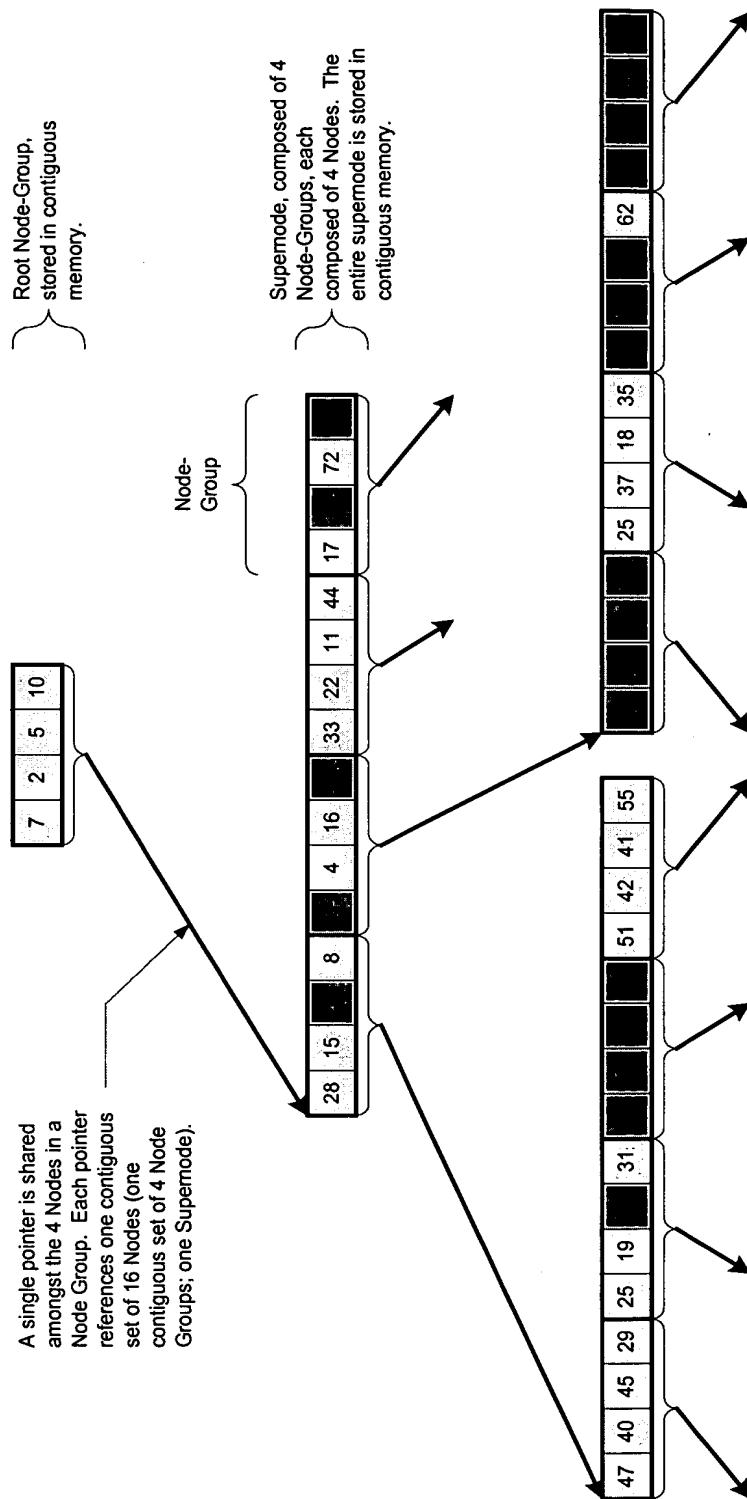


FIGURE 8

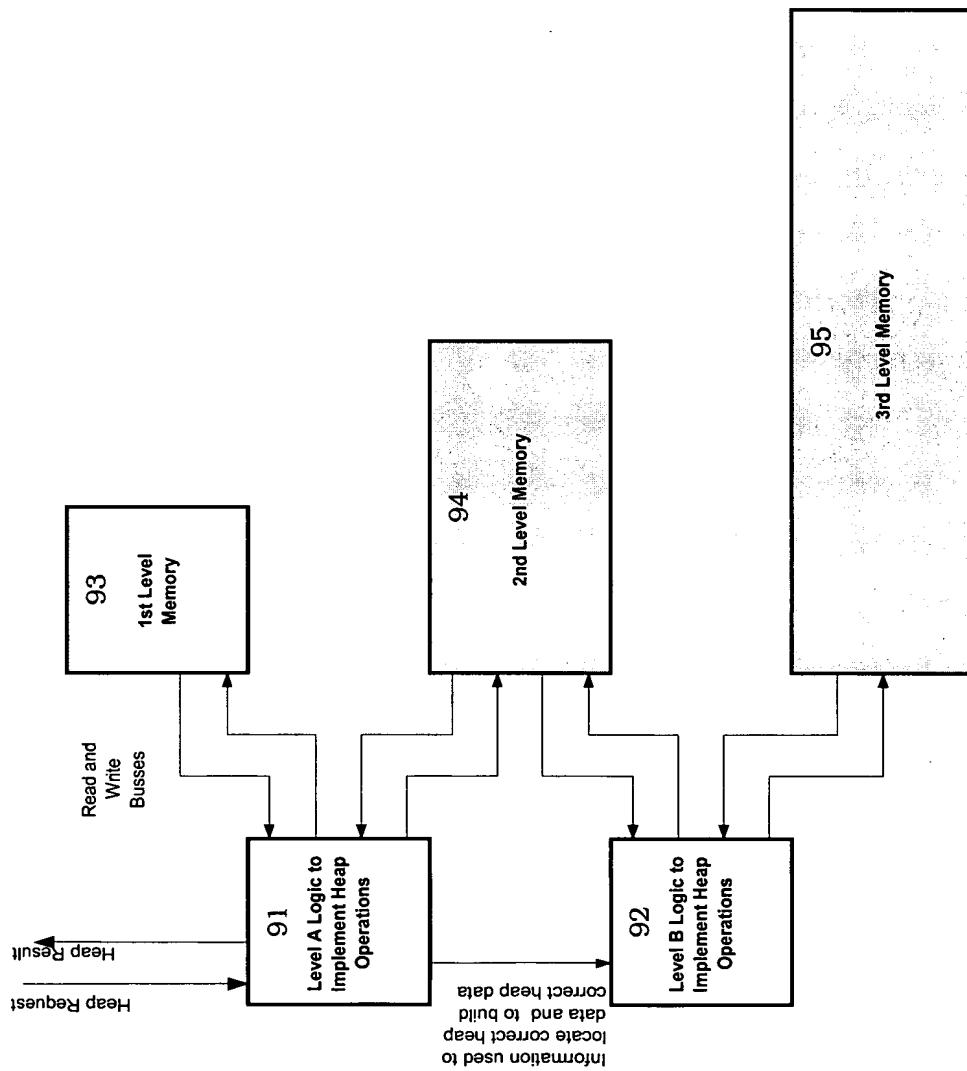


FIGURE 9

	time →																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Read Level 1 RAM	A				B													
Write Level 1 RAM				A														
Level A Comparisons		A	A					B	B									
Read Level 2 RAM		A					B											
Write Level 2 RAM				A														
Level B Comparisons			A	A					B	B								
Read Level 3 RAM				A				B										
Write Level 3 RAM					A				A			B						
Level C Comparisons						A	A				B	B						
Read Level 4 RAM						A				B								
Write Level 4 RAM							A			A		B						

FIGURE 10

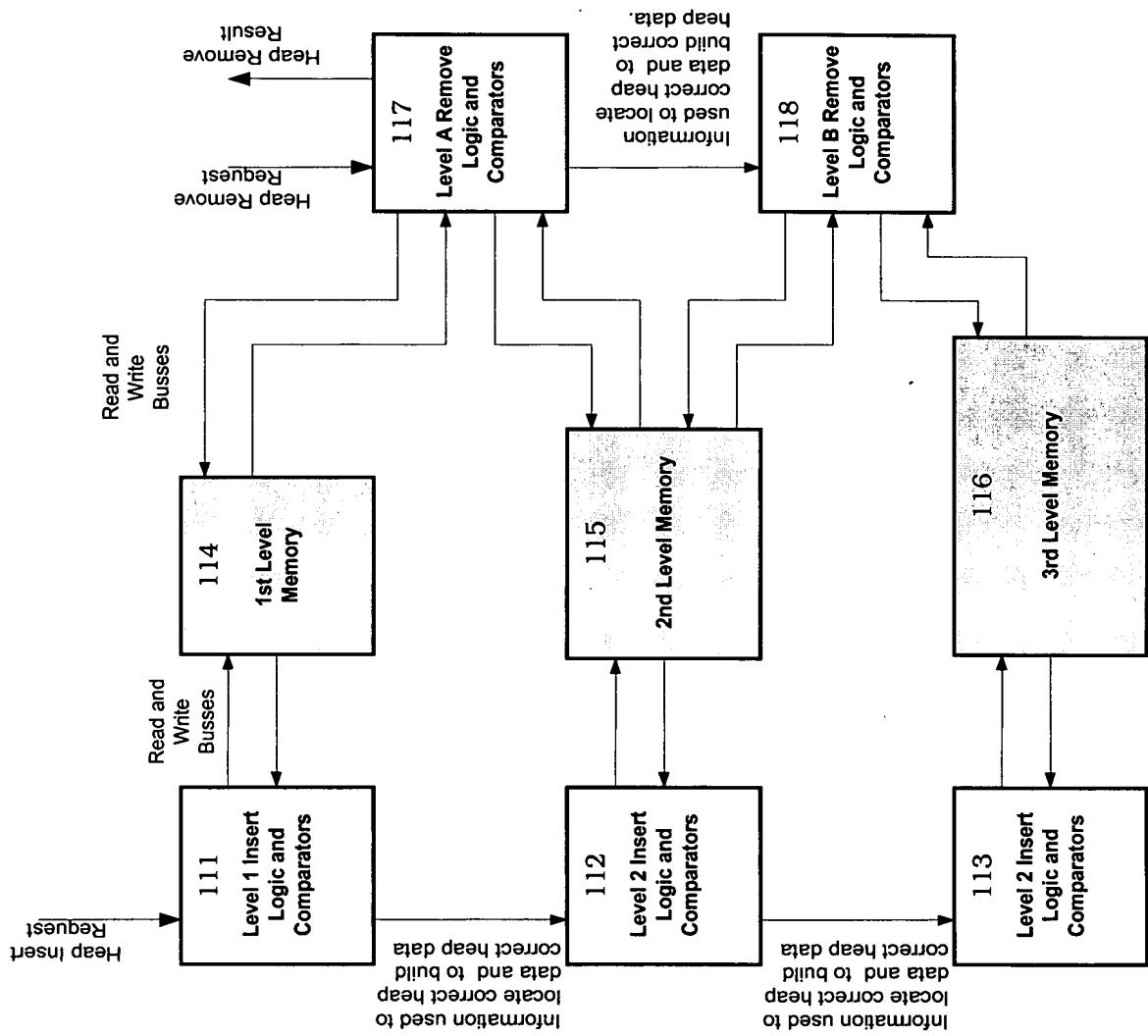
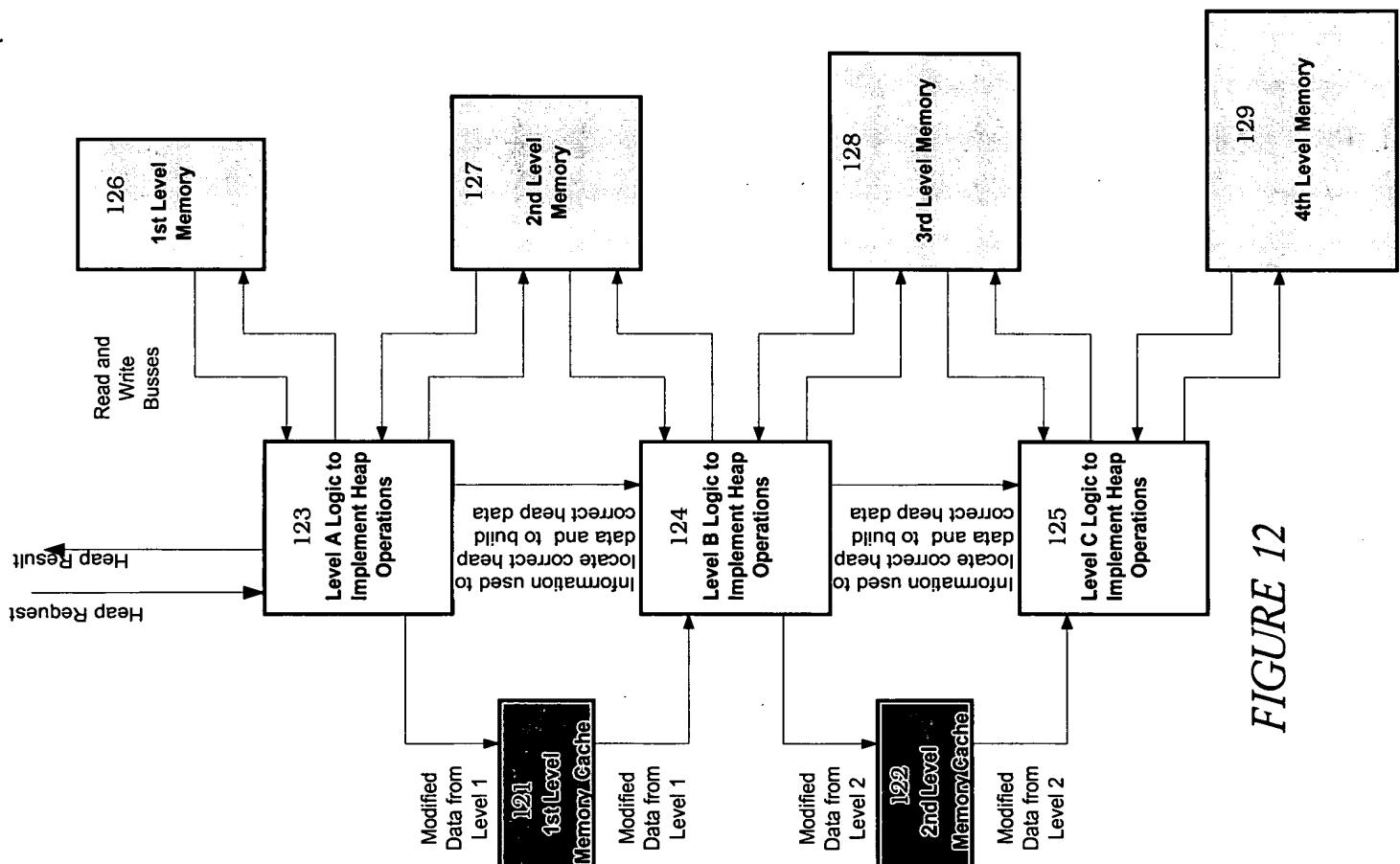
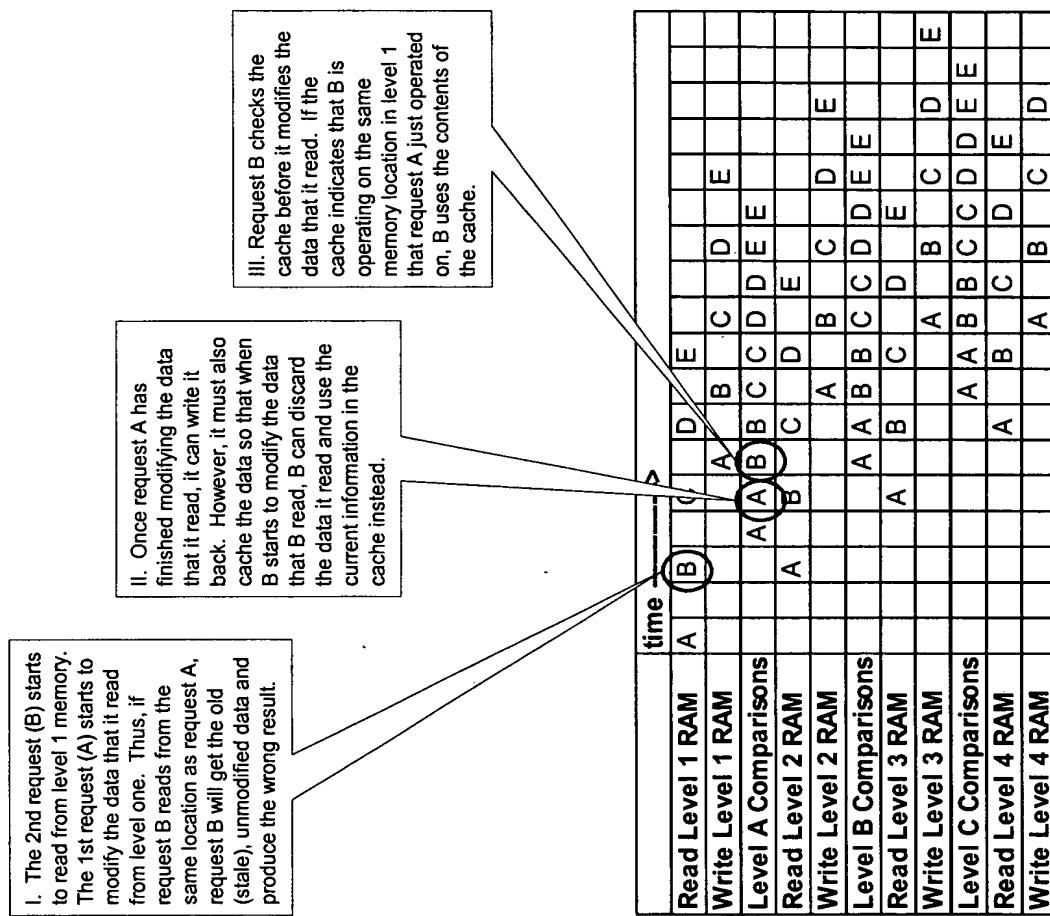


FIGURE 11



**FIGURE 12**



**FIGURE 13**